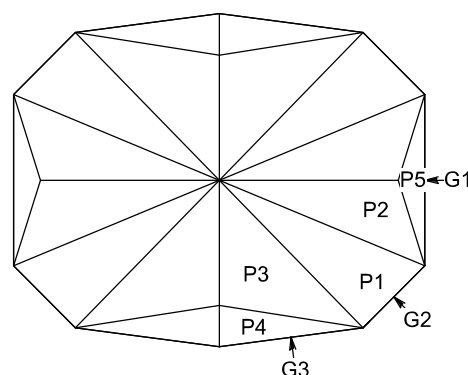
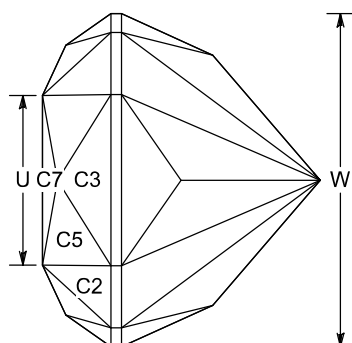
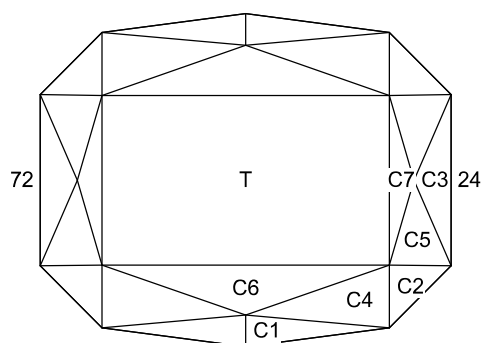


60

48

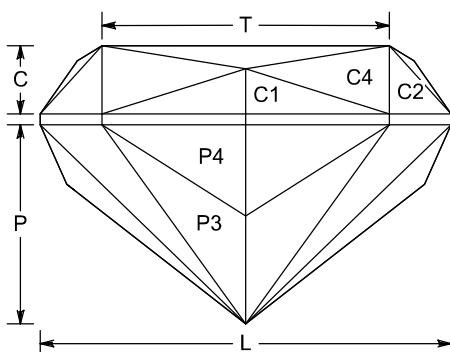
36



84

<96>

12



Longer and Steelier

by Arya Akhavan and Nick Fabri (inspired by Long & Steele)

Angles for R.I. = 1.540

41 + 10 girdles = 51 facets

2-fold, mirror-image symmetry

96 index

L/W = 1.237 T/W = 0.865 U/W = 0.509

P/W = 0.598 C/W = 0.205

Vol./W³ = 0.441

PAVILION

P1	44.01°	12-36-60-84	Cut to centerpoint.
P2	42.00°	16-32-64-80	Meet at culet.
P3	44.91°	08-40-56-88	Meet at culet.
G1	90.00°	24-72	Set stone length.
G2	90.00°	12-36-60-84	Level girdle.
G3	90.00°	02-46-50-94	Meet P1, P3, G2
P4	65.76°	02-46-50-94	Level girdle.
P5	65.76°	24-72	Level girdle.

CROWN

C1	55.17°	02-46-50-94	Set girdle width.
C2	57.04°	12-36-60-84	Level girdle.
C3	55.17°	24-72	Level girdle.
C4	48.04°	03-45-51-93	Meet G2, G3, C1, C2
C5	48.04°	22-26-70-74	Meet G1, G2, C2, C3
C6	25.00°	96-48	Meet C1, C4; C2, C4, C5
C7	31.20°	24-72	Meet C2, C4, C5, C3, C5
T	0.00°	Table	Meet C2, C4, C5, C6, C7

This design is a significant modification of Bob Long and Norm Steele's "PC 04.054 ECED END 1.40-7-2", with modifications for Nick to preserve some material on the test cut. The girdle outline is pushed out to make it "cushionier", with a bit more of an interesting crown, and a significantly modified pavilion. Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but blue topaz should look awesome.

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